SETUP & INSTALLATION MANUAL

FOR

CAT980G WHEEL LOADER

BY

INTERLUBE
A TIMKEN Brand

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CAT980G Wheel Loader Layout

Ports/Bearings Fitting and Lubrication Charts

Primary Divider Valve Section:-

Output Port No.	Feeds Valve No.	SPL06K Primary Divider Valve
Port 1	3	To SPL06 Divider Valve
Port 2	1	To SPL12 Divider Valve
Port 3	2	To SPL12 Divider Valve

Bucket Section:-

Output Port No.	Feeds Bearing No.	SPL12 Secondary Valve (Valve 1)
Port 1	1	Bucket Pin R.H. Side
Port 2	2	Bucket Pin L.H. Side
Port 3	3	Bucket Linkage R.H. Side
Port 4	4	Bucket Linkage L.H. Side
Port 5	5	Bell Crack Pivot R.H. Side
Port 6	6	Bell Crack Pivot R.H. Side
Port 7	7	Push Ram R.H. Side
Port 8	8	Push Ram L.H. Side
Port 9	9	Bucket Pin R.H. Side
Port 10	10	Bucket Pin L.H. Side

Steering Section:-

Output Port No.	Feeds Bearing No.	SPL06 Secondary Valve (Valve 3)
Port 1	11	Front Axle Pivot
Port 2	12	Rear Axle Pivot
Port 3	13	Bottom Pivot
Port 4	14	Steering Ram R.H. Side
Port 6	15	Steering Ram L.H. Side

Lift Section:-

Output Port No.	Feeds Bearing No.	SPL12 Secondary Valve (Valve 2)
Port 1	16	Steering Ram R.H. Side
Port 2	17	Steering Ram L.H. Side
Port 3	18	Lift Ram R.H. Side
Port 4	19	Lift Ram L.H. Side
Port 5	20	Lift Arm Pivot Ram R.H. side
Port 6	21	Lift Arm Pivot Ram L.H. side
Port 7	22	Push Ram R.H. Side
Port 8	23	Push Ram L.H. Side
Port 9	24	Lift Ram R.H. Side
Port 10	25	Top Pivot
Port 11	26	Lift Ram L.H. Side

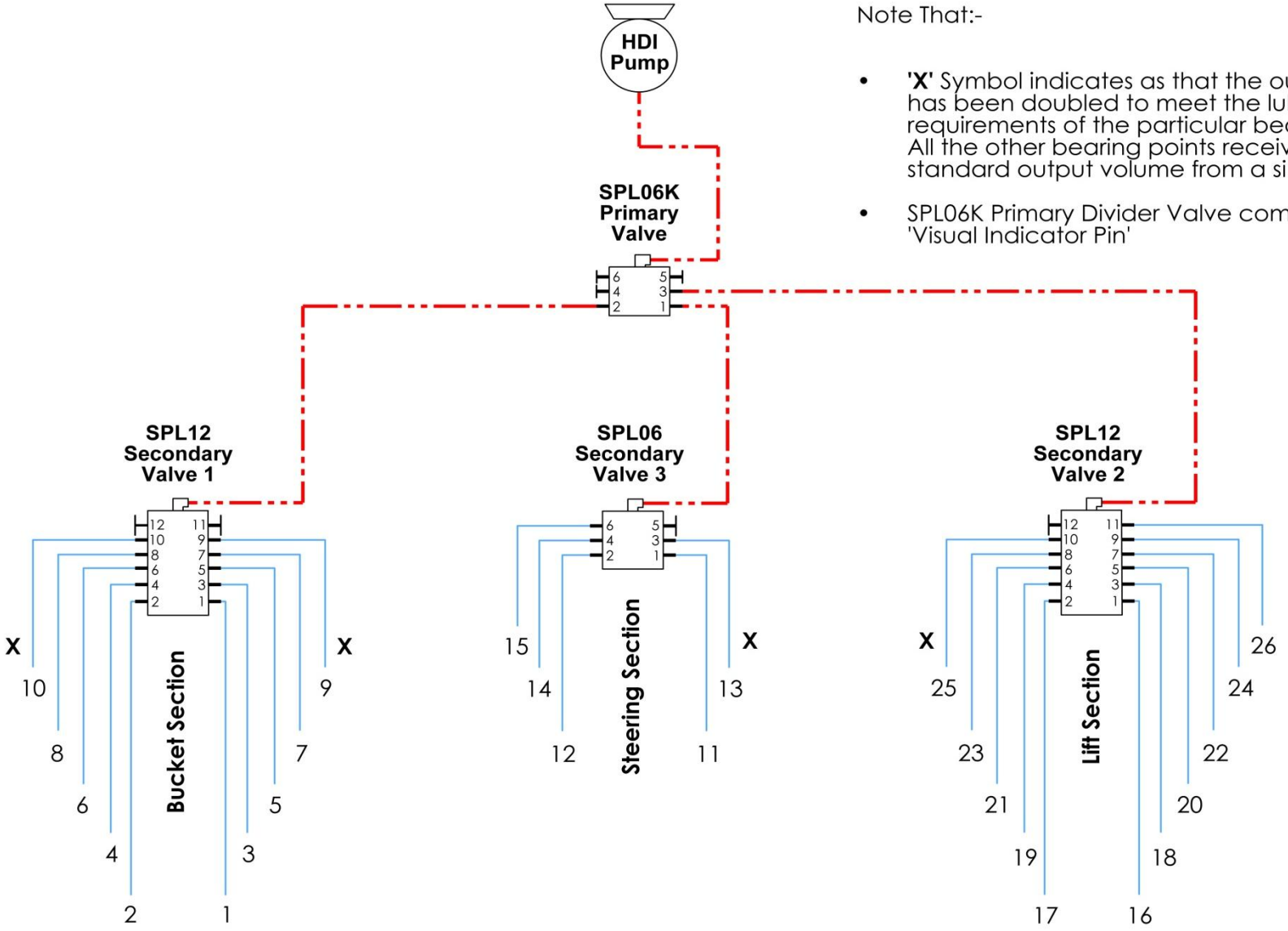
Note:

1. Caution:-
   Switch off the vehicle engine and remove the ignition key before starting work on the machine installation. This will prevent accidents occurring on site.

2. Before commencing installation of this lubrication system, it is important that the owner/operator ensures that all the bearings are pre-filled with the correct lubricant.

3. It is important to use recommended grease for the vehicle. DO NOT mix different types of grease together in Pump System. Keep them separate.
   (Acknowledge: Grade 2 grease is recommended for use in HDI Pump)

HDI System Installation Layout



Note That:-

- **'X'** Symbol indicates as that the output has been doubled to meet the lubricant requirements of the particular bearing point. All the other bearing points receive the standard output volume from a single port.
- SPL06K Primary Divider Valve completed with 'Visual Indicator Pin'

List of Abbreviations

HDI Pump : 24Vdc HDI Pump

PB : SPL06K Primary Valve

Valve 1 : SPL12 Secondary Valve #1

Valve 2 : SPL12 Secondary Valve #2

Valve 3 : SPL06 Secondary Valve

------- : Output To Secondary Divider Valves

——— : Output Grease Flow Line

① : Vehicle Bearing Point

CAT 980G Wheel Loader